

ERGONOMIC DESIGN

Technical Description

The WIRA Fibre Blend Analyser enables quick and accurate analysis to be made of a two component blend of wool and synthetic fibre, using a chemical method as specified in BS 4407.

Description of Equipment

The Fibre Blend Analyser is a self-contained, free-standing instrument. The chemicals and distilled water are fed to the sample chamber automatically via individual peristaltic metering pumps.

Complete analysis of a blend of fibres takes approximately 25 minutes.

Dimensions:
Width 800 mm
Depth 600 mm
Height 900 mm
Power consumption: 3kW

BS4407: 1988

The WIRA Directory

Test Method

A 1gm sample of fibre is pre-dried and prepared. The wool component is dissolved out of the sample by using a solution of Sodium Hypochlorite.

The sample is then flushed with distilled water, followed by the addition of a dilute Acetic Acid to neutralise the fibre.

The remaining synthetic fibre is then washed and dried.

The percentage of man-made fibre is calculated from the sample weight before and after testing.

